

Problem statement-5JDBC

HTML file

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="dbo" >Database operations</a>
</body>
</html>
```

DBconnection

```
package com;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
public class DBConnection {
    private Connection connection;

    public DBConnection(String dbURL, String user, String pwd) throws
ClassNotFoundException, SQLException{

        Class.forName("com.mysql.jdbc.Driver");
        this.connection = DriverManager.getConnection(dbURL, user, pwd);
    }

    public Connection getConnection(){
        return this.connection;
    }

    public void closeConnection() throws SQLException {
        if (this.connection != null)
            this.connection.close();
    }
}
```

Servlet

```
package com;
import java.io.IOException;
import java.io.InputStream;
import java.io.PrintWriter;
import java.sql.SQLException;
import java.util.Properties;
import java.sql.Statement;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class JDBCServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    // public JDBCServlet() {
    //     super();
    // }
    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        try {
            PrintWriter out = response.getWriter();
            out.println("<html><body>");

            InputStream in =
getServletContext().getResourceAsStream("/WEB-INF/config.properties");
            Properties props = new Properties();
            props.load(in);

            DBConnection conn = new DBConnection(props.getProperty("url"),
props.getProperty("userid"), props.getProperty("password"));
            Statement stmt = conn.getConnection().createStatement();
            stmt.executeUpdate("create database mydatabase");
            out.println("Created database: mydatabase<br>");
            stmt.executeUpdate("use mydatabase");
            out.println("Selected database: mydatabase<br>");
            stmt.executeUpdate("drop database mydatabase");
            stmt.close();
            out.println("Dropped database: mydatabase<br>");
            conn.closeConnection();
            out.println("</body></html>");
            conn.closeConnection();
        } catch (ClassNotFoundException e) {
            e.printStackTrace();
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

```
//      protected void doPost(HttpServletRequest request, HttpServletResponse  
response) throws ServletException, IOException {  
//      }  
}
```

[Database operations](#)

Created database: mydatabase
Selected database: mydatabase
Dropped database: mydatabase